Patent Application

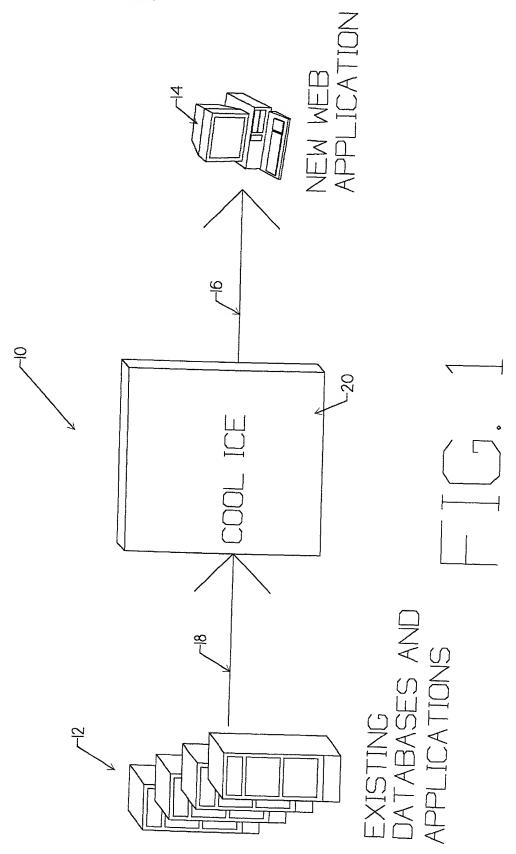
Express Mail No. ET351442249US Customer Assignment No. 27516

Filing Date: 12/21/2001 Customer Attorney's Docket No. RA-5408 (33012/326/101)

Application: Thomas N. Turba et al.

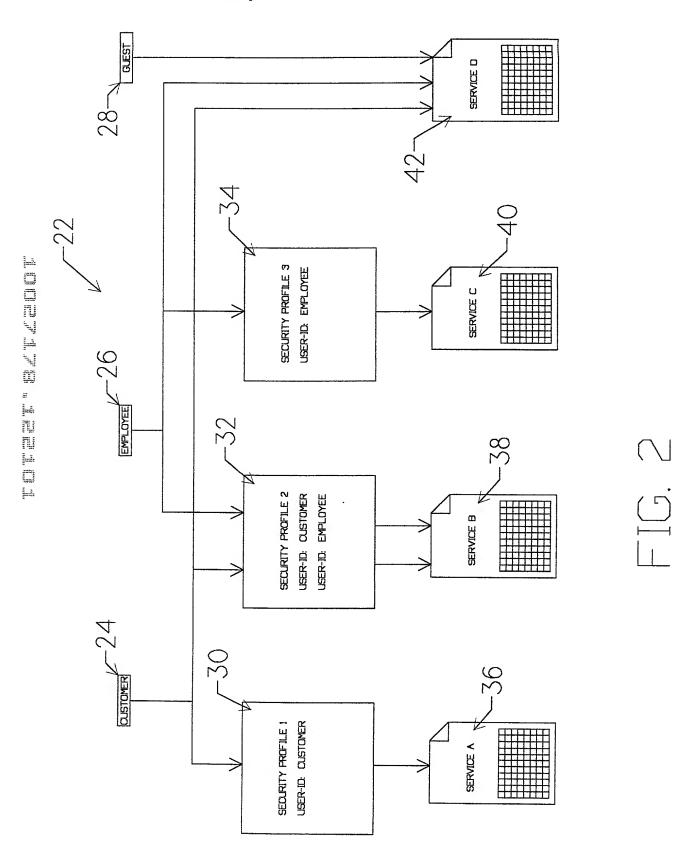
Charles A. Johnson Reg. No. 20,852 651-635-7702

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Application: Thomas N. Turba et al.
Charles A. Johnson Reg. No. 20,852 651-635-7702 Express Mail No. ET351442249US Customer Assignment No. 27516

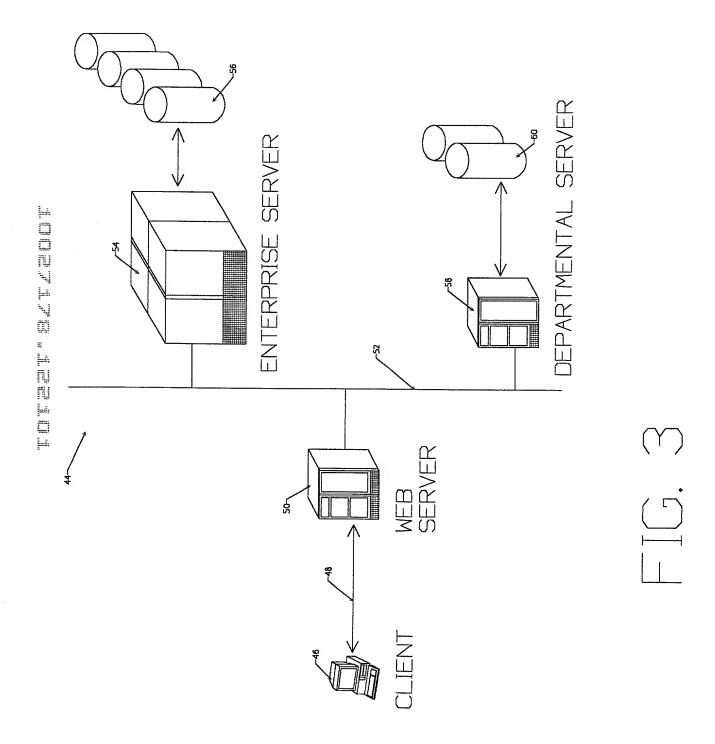
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Patent Application Express Mail No. E
Filing Date: 12/21/2001 Customer Assignm
Attorney's Docket No. RA-5408 (33012/326/101)
Application: Thomas N. Turba et al.
Charles A. Johnson Reg. No. 20,852 651-635-7702

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Patent Application

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Patent Application

Filing Date: 12/21/2001

Application: Thomas N. Turba et al.

Attorney's Docket No. RA-5408 (33012/326/101)

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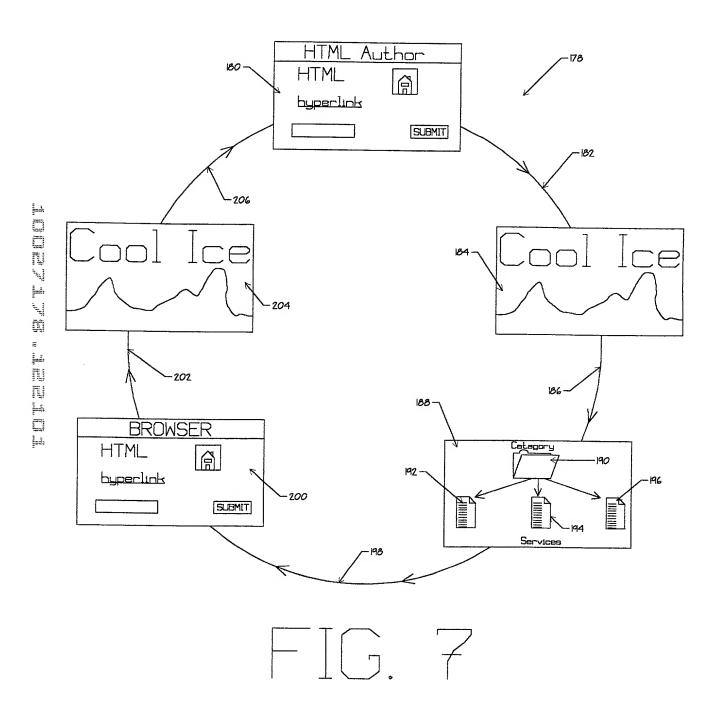
Express Mail No. ET351442249US Customer Assignment No. 27516

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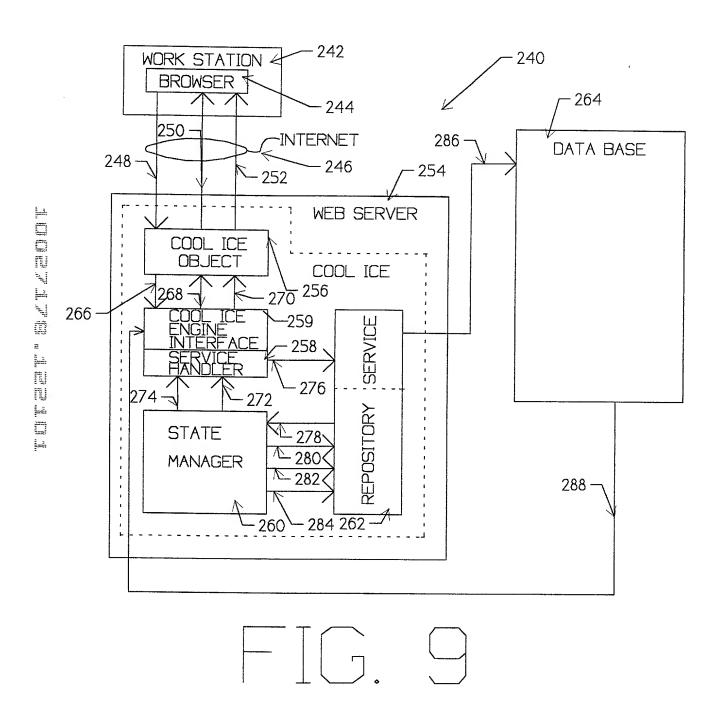
Express Mail No. ET351442249US Customer Assignment No. 27516

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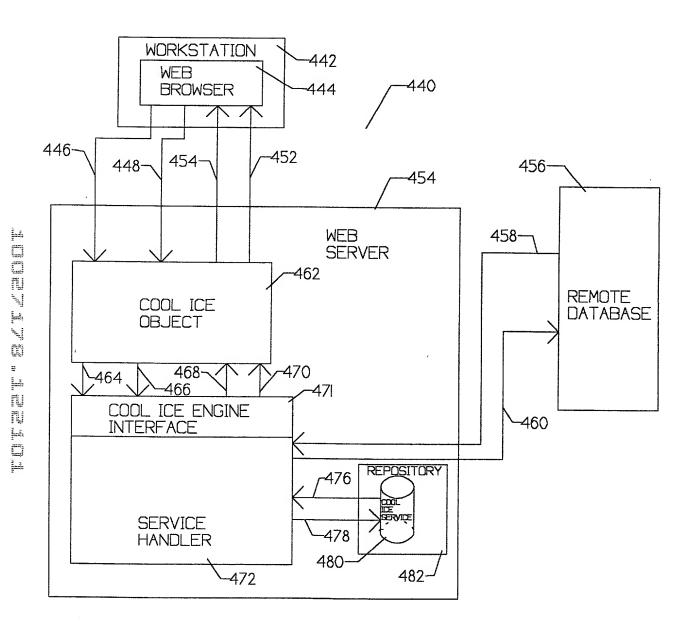


FIG. 10

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Patent Application

Filing Date: 12/21/2001

Attorney's Docket No. RA-5408 (33012/326/101)

Attorney's Docket No. RA-5408 (33012/326/101) Application: Thomas N. Turba et al. Charles A. Johnson Reg. No. 20,852 651-635-7702 Drawing 12 of 34 356 358 CHECK PROFILE AND DISPLAY TABLE 378 360 REFINE QUERY DEFINITION 362 WHERE 364 -ORDER BY 366 -**ANALYZE** 368 CALCULATE 370 REFORM 372 VIEW ALL OLUMNS 374 -GENERATE GRAPH 376 SAVE QUERY DEFINITION

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Patent Application

Filing Date: 12/21/2001

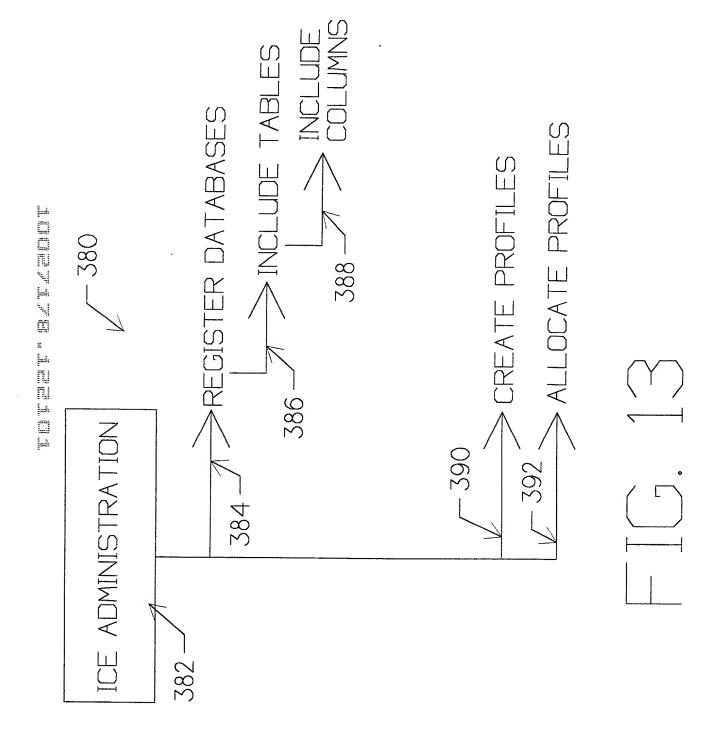
Patent Application Express Mail No. ET351442249US Filing Date: 12/21/2001 Customer Assignment No. 27516

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Express Mail No. ET351442249US

FIG. 14

Patent Application

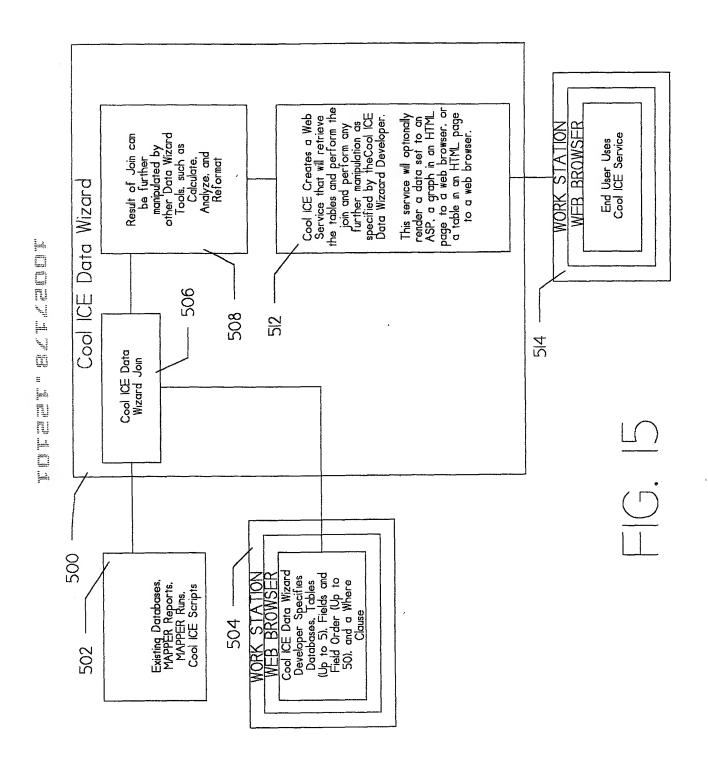
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Patent Application Express Mail No. ET351442249US Filing Date: 12/21/2001 Customer Assignment No. 27516

Attorney's Docket No. RA-5408 (33012/326/101) Application: Thomas N. Turba et al.

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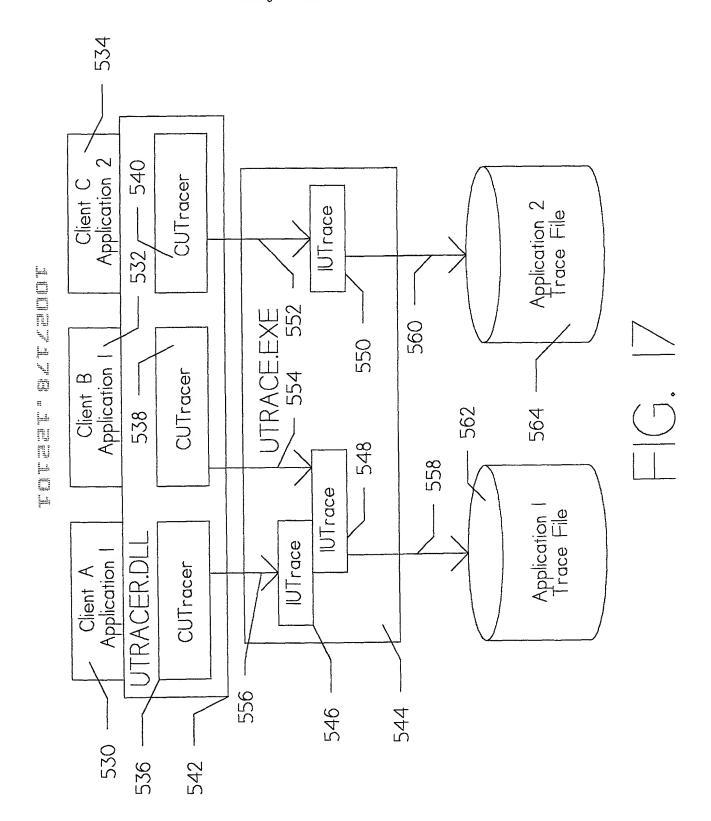
Express Mail No. ET351442249US Customer Assignment No. 27516

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Application: Thomas N. Turba et al.

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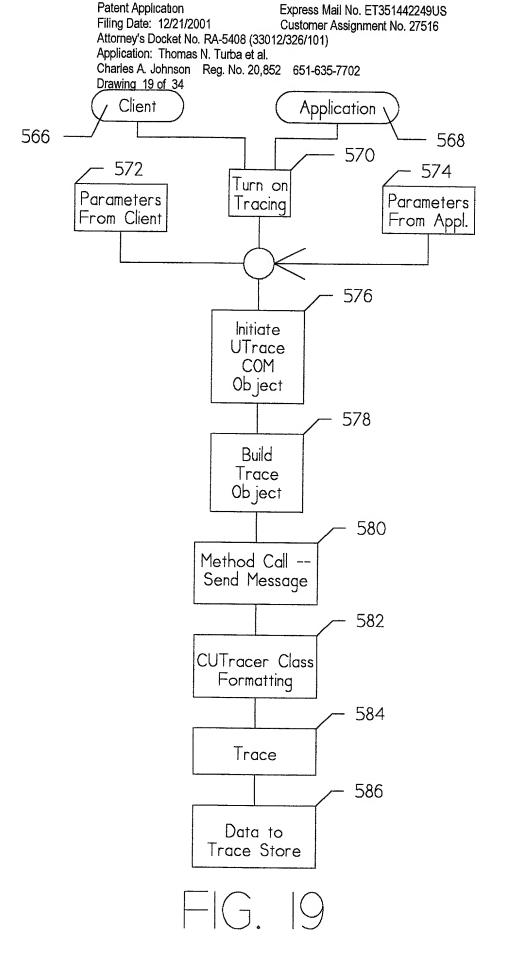


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Express Mail No. ET351442249US Customer Assignment No. 27516 Patent Application Filing Date: 12/21/2001 Customer Assignment Attorney's Docket No. RA-5408 (33012/326/101) Application: Thomas N. Turba et al. Charles A. Johnson Reg. No. 20,852 651-635-7702

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		.,								_		
APPNAME Subkey matching the name of the application $> - 565$	F	MAXENTRIES DWORD value indicating the maximum number of entries in the trace file. If missing, then no upper limit is imposed.	FORMATFLAGS DWORD value indicating message formatting flags.	POLICYFLAGS DWORD value indicating trace policy flags set for the application.	TRACELEVEL DWORD value indicating a trace level, 0 = no trace.	TRACEPATH String value indicating the directory path for the trace files.	REGTRACE A string value containing the HKLMNSoftware sub key to trace for this application. Blank or missing for no registry trace.	COMPONENT A subkey for a specific component of the application.	POLICYFLAGS Value indicating component level trace policy flags	TRACELEVEL DWORD Value indicating a trace level, 0 = no trace.	VERSIONTRACE String value specifying executable component name for version information tracing.	



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#define Cl_TRACE_VERSION	Oxl
#define Cl_TRACE_ERROR	0x2
#define CI_TRACE_INTERFACE	0x4
#define CI_TRACE_FLOW	0x8
#define Cl_TRACE_DETAIL	OxlO

FIG. 20A

if (m_trace. Active(C)_TRACE_DETAIL))
m_trace(("MY Detailed Trace information"(<Localvariable(<traceit

FIG. 20B

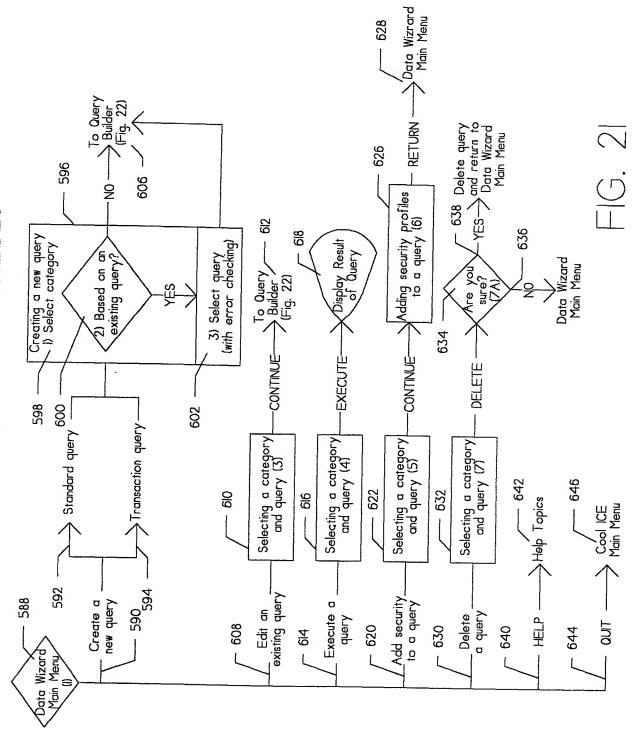
Express Mail No. ET351442249US Customer Assignment No. 27516

Filing Date: 12/21/2001 Customer Attorney's Docket No. RA-5408 (33012/326/101)

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Express Mail No. ET351442249US Patent Application Customer Assignment No. 27516 Filing Date: 12/21/2001 Attorney's Docket No. RA-5408 (33012/326/101) Application: Thomas N. Turba et al. Charles A. Johnson Reg. No. 20,852 651-635-7702 Drawing 22 of 34 Setting where conditions for advanced users ((2) 9/9 680 678 069 ADVANCED WHERE-SIMPLE WHERE-674 RETURN÷ - 688, RETURN — 686 Setting Where conditions (II) (Check for single record when transaction query) Columns Setting order of data in columns (13) 664 Selecting Columns (10) 654 672 <u>Order</u> Query Builder WHERE -RETURN -COLUMNS-SOURCE SOURCE ORDER 0/9 -099 662 668 682 652 Creating and Sediting variables – (25) Selecting a database (9) Specify_ Variables Select_Source_ 656 650 658 Query Builder (8)

Attorney's Docket No. RA-5408 (33012/326/101)

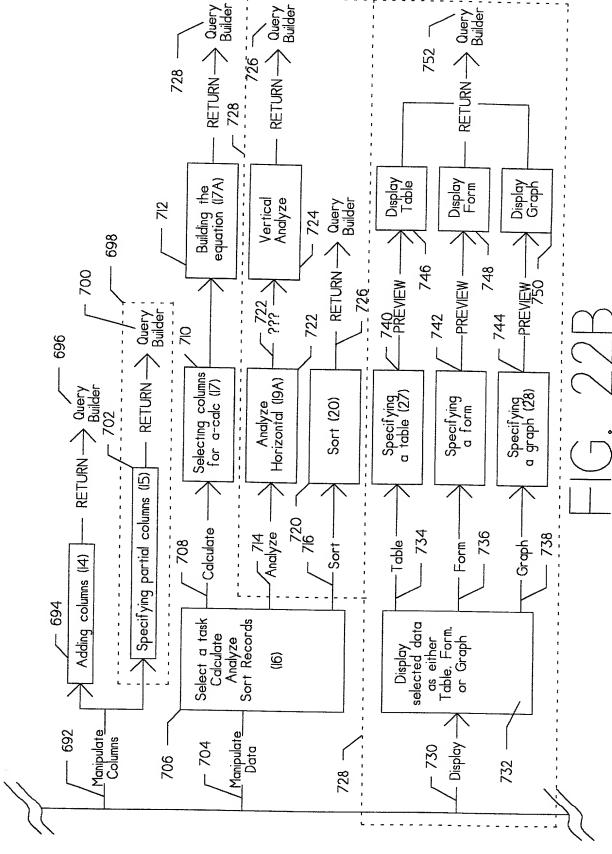
Application: Thomas N. Turba et al.

Charles A. Johnson Reg. No. 20,852 651-635-7702

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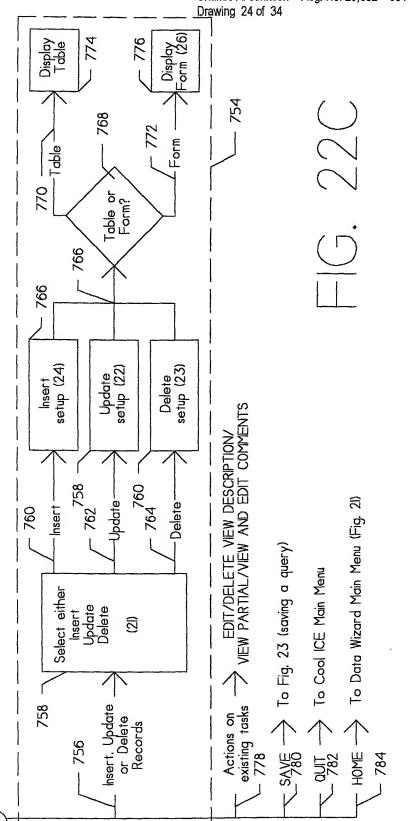
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Patent Application Express Mail No. ET351442249US Filing Date: 12/21/2001 Customer As Attorney's Docket No. RA-5408 (33012/326/101) Customer Assignment No. 27516

Application: Thomas N. Turba et al.

Charles A. Johnson Reg. No. 20,852 651-635-7702



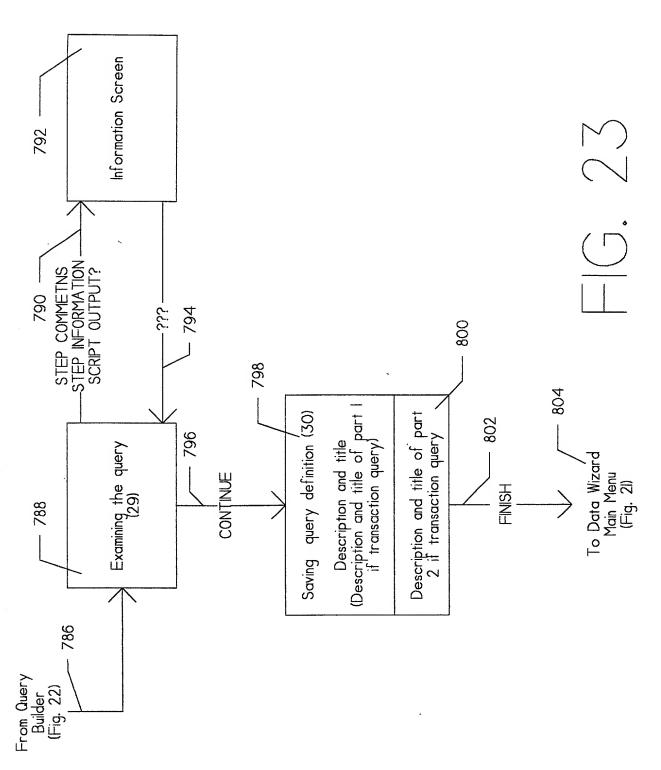
Patent Application

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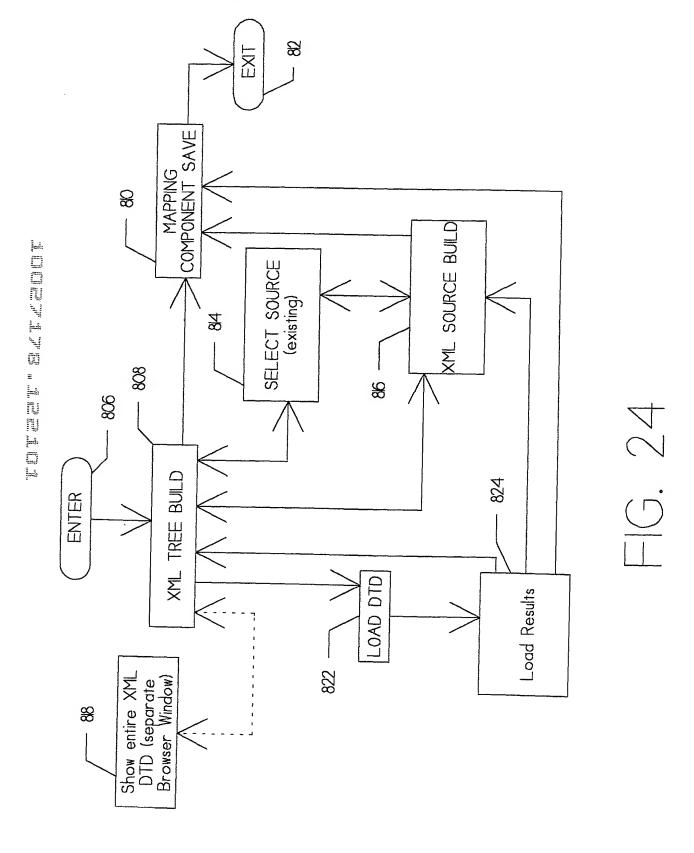
Express Mail No. ET351442249US Customer Assignment No. 27516

Attorney's Docket No. RA-5408 (33012/326/101)

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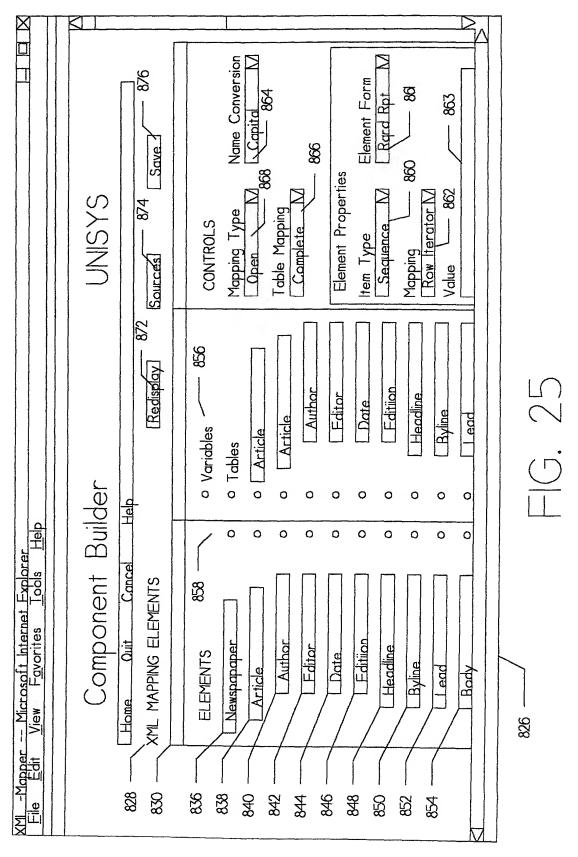
Express Mail No. ET351442249US Customer Assignment No. 27516

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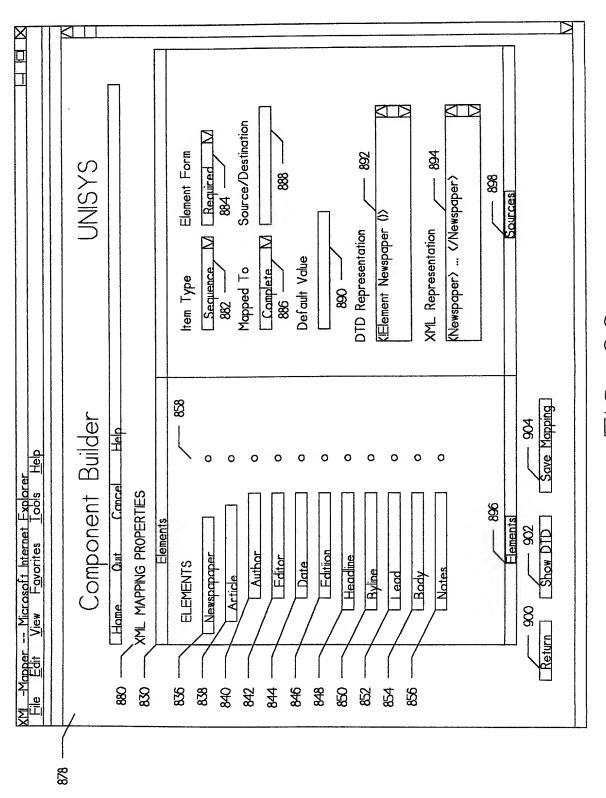


Express Mail No. ET351442249US Customer Assignment No. 27516

Attorney's Docket No. RA-5408 (33012/326/101) Application: Thomas N. Turba et al.

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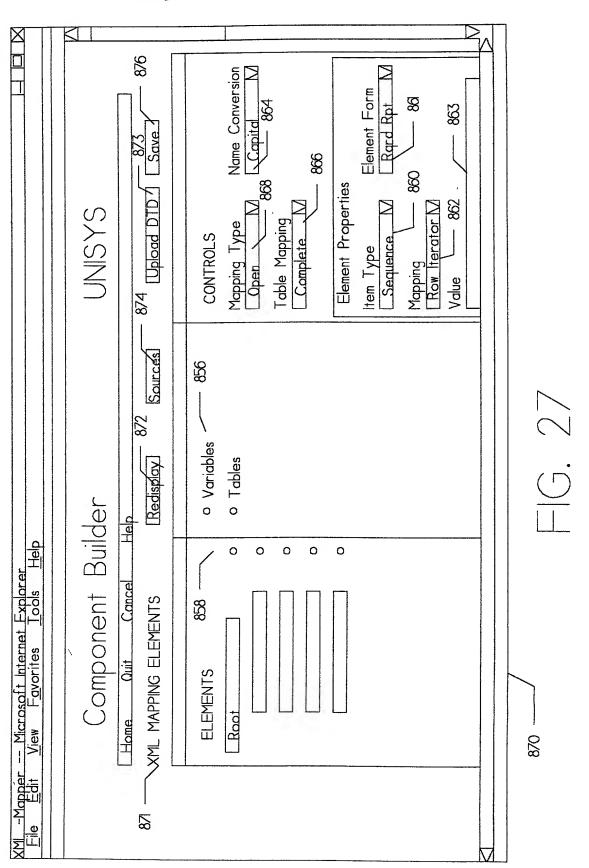


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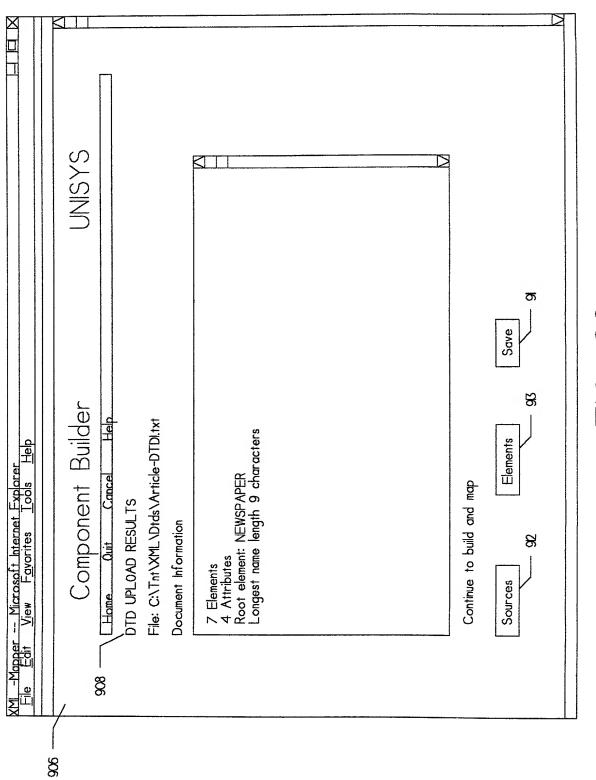


FIG. 28

Attorney's Docket No. RA-5408 (33012/326/101) Application: Thomas N. Turba et al. Charles A. Johnson Reg. No. 20,852 651-635-7702 Drawing 31 of 34 <u>IDT FXAMPLE</u> ____ 90 Version: AC:0.0. Truncation:AC:0 92 TypeCheck:AC:0 94 ShoeData:ED:0:R 94 ShoeData:ED:0:R From:DE:I:R From:EV:Supplier:20:string TableType:ED:l:R -TableType:EV:TableInfo:50:string Inventory:ED:I:R Inventory:BT:Inventory:7 Inventory: IH: ITEMNUMBER: 10 Inventory:IH:QTY:5 Inventory:IH:TYPE:10 Inventory: IH: GENDER: 6 Inventory:IH:SIZ:3 Inventory:IH:COLOR:31 Inventory: IH: UNITCOST: 13 Date: AD: I:R Date: AV: Date: 10: string Time: AD:1:R Time: AV: Time: 5: string Row:ED:2:R Row:BR:1 ItemNr:ED:2:R ItemNr:EF:I:ITEMNUMBER:10:R:string Quantity: AD: 2:R Quantity: AF: 1:QTY: 5:R:string Type:ED:2:R Type:EF:I:TYPE:10:L:string: Gender:ED:2:0 Gender:EF:I:GENDER:6:L:string:UniSex Size:ED:2:R Size:EF:I:SIZ:3:L:string: Color:ED:3:0 Color:EF:I:COLOR:3I:L:string:White Unitcost:ED:2:R Unitcost: EF: I: UNITCOST: 13:R: string: Row:EE:2 Row:ER:a Inventory:EE:I Inventory:ET:I 96 FIG. 29

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Customer Assignment No. 27516

Patent Application

Filing Date: 12/21/2001

Express Mail No. ET351442249US Patent Application Filing Date: 12/21/2001 Customer Assignment No. 27516 Attorney's Docket No. RA-5408 (33012/326/101) Application: Thomas N. Turba et al. Charles A. Johnson Reg. No. 20,852 651-635-7702 Drawing 32 of 34 Color?. Unitcost)+> TableType. Inventory)> SIZe. 8 (Row+) (IDOCTYPE ShoeData <u>de</u> vento nvent nvent em ত

Express Mail No. ET351442249US Patent Application Customer Assignment No. 27516 Filing Date: 12/21/2001 Attorney's Docket No. RA-5408 (33012/326/101) Application: Thomas N. Turba et al. Charles A. Johnson Reg. No. 20,852 651-635-7702 Drawing 33 of 34 XML INPUT DOCUMENT EXAMPLE <?xml version="1.0" encoding="150-8859-1"?> (ShoeData) (From)Roseville Store(/From) (TableType)Low Inventory Count(/TableType) (Inventory Date="2000-12-05" Time="11:51") (ItemNr Quantity-"0">32335(/ItemNr) (Type)Tennis(/Type) (Gender)Mens(/Gender) (Size)6(/Size) (Color)White/Zen Grey/New Spruce(/Color) (Unitcost)25.00(/Unitcost) </Row> (Row) (ItemNr Quantity="0">354|0</ItemNr>
(Type>Running
(Gender>Womens
(Gender> ⟨Size⟩5⟨/Size⟩ (Color)White/Zen Grey/Neptune Blue(/Color) (Unitcost)19.70(/Unitcost) (/Row) (Row) (ItemNr Quantity="0">354K/ItemNr> (Type>Running(/Type> (Gender>Womens(/Gender> (Size>6(/Size) (Color)White/Zen Grey/Neptune Blue(/Color) (Unitcost)/9.70(/Unitcost) $\langle /Row \rangle$ (Row) (ItemNr Quantity="2">35420(ItemNr> (Type)Running(/Type) (Gender)Womens(/Gender) (Size)5(/Size) (Color)White/Chlorine Blue/Hot Lime(Color) (Unitcost)19.70(/Unitcost) (/Row) (Row) (ItemNr Quantity=17)3742K/ItemNr> (Type>Golf(/Type> (Gender>Womens(/Gender> (Size)8(/Size) (Color)White/Fluorescent Pink(/Color) (Unitcost)35.00(/Unitcost) </Row> (/Inventory) </ShoeData> <Color>White/Black-Hot Lime, Neo Teak/Color> (Unitcost)40.00(/Unitcost) </Row> (Row) (ItemNr Quantity="0">32474(/ItemNr) (Type)Tennis(/Type) (Gender)Womens(/Gender) ⟨Size⟩8⟨/Size⟩ (Color)White/Light Marine-Ultramarine(/Color)
(Unitcost)25.00(/Unitcost) </Row> (Row) (ItemNr Quantity="1">353IO</ItemNr>
<Type>Running (Gender)Mens(/Gender) (Srze)6(/Srze)

FIG. 31

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